

CLAIMS

1. Telecommunication system comprising at least a first rate controlling means (112) residing in a Radio Controlling Entity, RCE, (114) arranged for controlling bit rates of a first radio link to a first mobile terminal (110),
5 a second rate controlling means (112) arranged for controlling bit rates of a second link to a second terminal (110), a first negotiating means and second negotiating means, is **characterised in** that the first rate controlling means (112) comprises means for notifying the second rate
10 controlling means (112) about a change of the bit rates of said first radio link, the first and the second negotiating means comprise means for negotiating a corresponding change of the second link layer bit rate, and the first and the second rate controlling means (112) comprise means for notifying their respective mobile terminals (110) to modify their
15 application layer bit rates accordingly.
2. System according to claim 1, wherein said second rate controlling means resides within the same RCE (114) as the first radio controlling means.
3. System according to any of claims 1-2, wherein the first rate controlling means comprises the first negotiating means and the second rate
20 controlling means comprises the second negotiating means.
4. System according to any of claims 1-2, wherein the first and second negotiating means are located in an intermediate node.
5. System according to any of claims 1-4, wherein the first rate controlling means comprises means for notifying the second rate controlling means
25 by means of any of the parameters IP-address, port number and/or rate control identity of the second terminal (110).
6. System according to any of claims 1-5, wherein the rate controlling means comprises means for sniffing the IP/UDP/TCP/HTTP header in a data flow.
- 30 7. System according to any of claims 1-6, wherein the first mobile terminal (UE A) comprises means for passing any of the parameters IP address,

port number and/or rate control identity of the second terminal (UE B) to the first rate controlling means (112) during a service set-up

- 5 8. System according to any of claims 1-7, wherein the telecommunication system comprises a Universal Mobile Telephony System, UMTS and/or a General Packet Radio Service (GPRS) System, and/or a WLAN system.
- 10 9. Method in a telecommunication system, wherein the system comprises at least a first rate controlling means residing in a Radio Controlling Entity, RCE, controlling bit rates of a first radio link to a first mobile terminal, a second rate controlling means controlling bit rates of a second link to a second terminal, a first and second negotiating means, said method is **characterised in** that it comprises the steps of:
- notifying* (401) the second rate controlling means about a change of the bit rates of said first radio link,
- 15 -*negotiating* (402) a corresponding change of the second link layer bit rate between the first and second negotiating means, and
- notifying* (403) the first and second mobile terminals to modify their application layer bit rates accordingly.
- 20 10. Method according to claim 9, wherein said second rate controlling means resides within the same RCE (114) as the first radio controlling means.
11. Method according to any of claims 9-10, wherein the first rate controlling means comprises the first negotiating means and the second rate controlling means comprises the second negotiating means.
12. Method according to any of claims 9-10, wherein the first and second negotiating means are located in an intermediate node.
- 25 13. Method according to any of claims 9-12, wherein the first notifying step (401) is performed by means of any of the parameters IP-address, port number and/or rate control identity of the second terminal (110).
14. Method according to claim 13, wherein the method comprises the step of:

-sniffing the IP/UDP/TCP/HTTP header in a data flow in order to obtain any of the parameters the IP-address, port number and/or rate control identity of the second terminal (110).

5 15. Method according to claim 13, wherein the method comprises the further step of:

-passing any of the parameters IP address, port number and/or rate control identity of the second terminal (UE B) to the first rate controlling means (112) during a service set-up

10 16. Method according to any of claims 9-15, wherein the telecommunication system comprises a Universal Mobile Telephony System, UMTS and/or a General Packet Radio Service (GPRS) System, and/or a WLAN system.

15 17. A computer program product directly loadable into the internal memory of a computer within a RCE, or within a RCE and an intermediate node in a telecommunications system, comprising the software code portions for performing the steps of any of the claims 9-16.

20 18. A computer program product stored on a computer usable medium, comprising readable program for causing a computer, within a RCE, or within a RCE and an intermediate node in telecommunications system, to control an execution of the steps of any of the claims 9-16.

25 19. A rate controlling means (112) residing in a Radio Controlling Entity, RCE (114), in a telecommunication system comprising means for controlling bit rates of a first radio link to a first mobile terminal (110), said rate controlling means is **characterised in** that it comprises means for notifying a second rate controlling means controlling bit rates of a second radio link to a second mobile terminal (110) about a change of the bit rates of said first radio link, means for receiving a result from a negotiation, between a first and second negotiating means, of a
30 corresponding change of the second link layer bit rate, and means for notifying the first mobile terminal to modify its application layer bit rates accordingly.

20. A rate controlling means (112) according to claim 19, wherein said first
5 negotiating means is located in the rate controlling means.